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NOTICE OF ALLOWANCE AND FEE(S) DUE

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7590

08/20/2010

CONNOLLY BOVE LODGE & HUTZ LLP 1875 EYE STREET, N.W. SUITE 1100 WASHINGTON, DC 20006

EXAMINER				
NGUYEN, VU ANH				
ART UNIT	PAPER NUMBER			
1796				

DATE MAILED: 08/20/2010

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/581.884	06/06/2006	Son Nguyen Kim	13111-00043-US1	4956

TITLE OF INVENTION: COPOLYMERS BASED ON TERT-BUTYL (METH) ACRYLATE AND USE THEREOF

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	11/22/2010

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

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INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where ar in m

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CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)			Fee(s) Transmittal. Th ers. Each additiona	is certii I papei	ficate cannot be used f	or domestic mailings of the for any other accompanying nt or formal drawing, must
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WASHINGTON	N, DC 20006						(Depositor's name)
							(Signature)
							(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVENTOR		ATTC	RNEY DOCKET NO.	CONFIRMATION NO.
10/581,884	06/06/2006	•	Son Nguyen Kim		13	111-00043-US1	4956
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nonprovisional	NO	\$1510	\$300	\$0		\$1810	11/22/2010
EXAM	IINER	ART UNIT	CLASS-SUBCLASS				
NGUYEN,	, VU ANH	1796	424-070160				
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PLEASE NOTE: Unl	less an assignee is ident	ified below, no assignee	data will appear on the pa	ntent. If an assign	ee is i	dentified below, the de	ocument has been filed for
(A) NAME OF ASSIG	•	pletion of this form is NC	T a substitute for filing an B) RESIDENCE: (CITY)	· ·	COUNT	Γ RΥ)	
(A) NAME OF ASSIGNEE (B) RESIDENCE: (CITY and STATE OR COUNTRY)							
Please check the appropr	iate assignee category or	categories (will not be p	rinted on the patent): \Box	Individual 🖵 C	orporat	ion or other private gro	oup entity 🗖 Government
4a. The following fee(s)	are submitted:	4	b. Payment of Fee(s): (Plea	se first reapply a	ny prev	viously paid issue fee	shown above)
Issue Fee			A check is enclosed.				
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interest as shown by the	records of the United Sta	ites Patent and Trademarl	COffice.				
Authorized Signature				Date			
Typed or printed name				Registration N	No		
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an application. Confiden submitting the completed this form and/or suggesti Box 1450, Alexandria, V Alexandria, Virginia 223	tiality is governed by 35 d application form to the ions for reducing this bu virginia 22313-1450. DO	U.S.C. 122 and 37 CFR USPTO. Time will vary rden, should be sent to the D NOT SEND FEES OR	1.14. This collection is est y depending upon the individe Chief Information Office COMPLETED FORMS TO	imated to take 12 idual case. Any cor, U.S. Patent and DTHIS ADDRESS	minute ommen Trader S. SEN	s to complete, including ts on the amount of time mark Office, U.S. Depa D TO: Commissioner	g gathering, preparing, and me you require to complete artment of Commerce, P.O. for Patents, P.O. Box 1450,

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10/581,884	06/06/2006	Son Nguyen Kim	13111-00043-US1	4956
30678 75	90 08/20/2010		EXAM	INER
CONNOLLY BO	VE LODGE & HUT	TZ LLP	NGUYEN	VU ANH
1875 EYE STREE	T, N.W.		ART UNIT	PAPER NUMBER
SUITE 1100 WASHINGTON, I	OC 20006		1796 DATE MAILED; 08/20/201	0

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 795 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 795 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 (571)-272-4200.

	Application No.	Applicant(s)
	10/581,884	KIM ET AL.
Notice of Allowability	Examiner	Art Unit
	Vu Anh Nguyen	1796
	Vu Allii Nguyeli	1790
The MAILING DATE of this communication apperall claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this ap or other appropriate communication GHTS. This application is subject t	plication. If not included n will be mailed in due course. THIS
1. \boxtimes This communication is responsive to <u>RCE filed 07/26/2010</u>		
2. ☑ The allowed claim(s) is/are <u>33-37,56,57 and 60</u> .		
 3. Acknowledgment is made of a claim for foreign priority un a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). 	been received. been received in Application No	
* Certified copies not received:		
Applicant has THREE MONTHS FROM THE "MAILING DATE" on noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		complying with the requirements
4. A SUBSTITUTE OATH OR DECLARATION must be submit INFORMAL PATENT APPLICATION (PTO-152) which give		
5. CORRECTED DRAWINGS (as "replacement sheets") mus	st be submitted.	
(a) including changes required by the Notice of Draftspers		-948) attached
1) 🔲 hereto or 2) 🔲 to Paper No./Mail Date		
(b) ☐ including changes required by the attached Examiner's Paper No./Mail Date	s Amendment / Comment or in the (Office action of
Identifying indicia such as the application number (see 37 CFR 1. each sheet. Replacement sheet(s) should be labeled as such in the		
 DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT I 		
Attachment(s) 1. ☐ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☒ Information Disclosure Statements (PTO/SB/08),	5. ☐ Notice of Informal F 6. ☐ Interview Summary Paper No./Mail Da 7. ☑ Examiner's Amend	(PTO-413), tte
Paper No./Mail Date <u>07/26/2010</u> 4. Examiner's Comment Regarding Requirement for Deposit of Biological Material	8. ☑ Examiner's Statem 9. ☐ Other	ent of Reasons for Allowance
/Vu Anh Nguyen/ Examiner, Art Unit 1796	/David Wu/ Supervisory Patent Ex	aminer, Art Unit 1796

Application/Control Number: 10/581,884 Page 2

Art Unit: 1796

DETAILED ACTION

Response to Amendment

1. This Office action is in response to the amendment filed 07/26/2010, wherein claims 33-37, 43, 45-57 and 60 are pending, of which, claims 43 and 45-55 remain withdrawn as directed to non-elected species.

EXAMINER'S AMENDMENT

2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Georg M. Hasselmann on 08/03/2010.

The application has been amended as follows:

In claim 37, lines 1 and 2, the phrase "further comprising" is replaced with the phrase "wherein the monomer mixture contains".

Claims 43 and 45-55 are cancelled.

Allowable Subject Matter

- 3. Claims 33-37, 56, 57 and 60 are allowed.
- 4. The following is an examiner's statement of reasons for allowance: the present claims are allowable over the closest prior art references of record: Dausch et al. (WO 02/38638) and Kim et al. (WO 01/62809). Each of these references teaches acrylic copolymers comprising tert-butyl (meth)acrylate, (meth)acrylic acid, methacrylamide

and/or N-tert-butylacrylamide, and other optional monomers. Each reference also teaches a hair-treatment composition comprising said copolymers. However, neither reference teaches a copolymer that mandatorily contains tert-butyl acrylate (instead of tert-butyl methacrylate) and acrylic acid. Further, applicant has also provided evidence (Remarks filed 07/26/2010 and 02/12/2010) showing the criticality of using acrylic acid in the copolymer (i.e., lower formulation viscosity and smaller aerosol particle when formulated into a hairspray).

5. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Contact Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Vu Anh Nguyen whose telephone number is (571)270-5454. The examiner can normally be reached on M-F 8:00 AM-6:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Wu can be reached on 571-272-1114. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Art Unit: 1796

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Vu Anh Nguyen Examiner Art Unit 1796

/David Wu/ Supervisory Patent Examiner, Art Unit 1796